DATE: 10/10/2001

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PATENT APPLICATION: US/09/833,017 TIME: 10:13:19 Input Set : A:\SEQUENCE LISTING.txt Output Set: N:\CRF3\10102001\1833017.raw 3 <110> APPLICANT: CVITKOVITCH, Dennis 5 <120> TITLE OF INVENTION: SIGNAL PEPTIDES NUCLEIC ACID MOLECULES AND METHODS FOR TREATMENT OF CARIES 8 <130> FILE REFERENCE: P04885US1 10 <140> CURRENT APPLICATION NUMBER: 09/833,017 12 <141> CURRENT FILING DATE: 2001-04-10 14 <150> PRIOR APPLICATION NUMBER: PCT/CA00/00605 ENTERED 15 <151> PRIOR FILING DATE: 2000-05-25 17 <150> PRIOR APPLICATION NUMBER: 2,302,861 18 <151> PRIOR FILING DATE: 2000-04-10 20 <150> PRIOR APPLICATION NUMBER: 2,332,733 21 <151> PRIOR FILING DATE: 2001-02-20 23 <160> NUMBER OF SEQ ID NOS: 28 25 <170> SOFTWARE: PatentIn version 3.0 27 <210> SEQ ID NO: 1 29 <211> LENGTH: 141 31 <212> TYPE: DNA 33 <213> ORGANISM: Streptococcus mutans 35 <220> FEATURE: 37 <221> NAME/KEY: CDS 39 <222> LOCATION: (1)..(141) 41 <400> SEQUENCE: 1 42 atg aaa aaa aca cta tca tta aaa aat qac ttt aaa qaa att aag act 48 43 Met Lys Lys Thr Leu Ser Leu Lys Asn Asp Phe Lys Glu Ile Lys Thr 10 46 gat gaa tta gag att atc att ggc gga agc gga agc cta tca aca ttt 96 47 Asp Glu Leu Glu Ile Ile Gly Gly Ser Gly Ser Leu Ser Thr Phe 48 20 25 50 ttc cgg ctg ttt aac aga agt ttt aca caa gct ttg gga aaa taa 141 51 Phe Arg Leu Phe Asn Arg Ser Phe Thr Gln Ala Leu Gly Lys 35 40 55 <210> SEO ID NO: 2 57 <211> LENGTH: 46 59 <212> TYPE: PRT 61 <213> ORGANISM: Streptococcus mutans 65 <400> SEQUENCE: 2 67 Met Lys Lys Thr Leu Ser Leu Lys Asn Asp Phe Lys Glu Ile Lys Thr 68 1 5 · 71 Asp Glu Leu Glu Ile Ile Gly Gly Ser Gly Ser Leu Ser Thr Phe 25 75 Phe Arg Leu Phe Asn Arg Ser Phe Thr Gln Ala Leu Gly Lys 76 35 40 79 <210> SEQ ID NO: 3 81 <211> LENGTH: 1326

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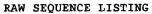
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	104				20					25			. ~ ~	+	30	a+ a	2+2	144
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	T 2 0	yaa	LUL	ULL	Lac	aay	yaı	uct	cya	uyı		CyC		guc	Luc	9	440	, 50



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	Glu	Ser	Leu	Tyr	~	Asp	Ile	Arg	Ser		Arg	HIS	Asp	Tyr		Asn	
160	_4.4				245					250			~~+	440	255	+	016
	att																816
	_lle	ren	Tnr		_ren	Arg	Leu	GTÄ		GIU	ASII	гаг	ASP	270	Ala	ser	
164		~~~		260	+	+		- t -	265	<i>a</i> = = =		202	~~~		a 2 2	++~	961
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	Ile	GIU		TTE	Tyr	HIS	GIN			GIU	гаг	THE		HIS	GIII	Leu	
168			275					280		a+ a	~~+	+	285	~~~		~a+	012
	cag																912
	Gln	_	THE	Arg	туг	ASII		СТА	нтр	ьеu	нта		116	GTII	ASII	ASP	
172	~~+	290			.+.	++~	295	~~~		- t -	++^	300	~at	an ~	22+	222	960
	gct																900
	Ala	Val	цуѕ	СТА	тте		ser	Ala	ьуѕ	тте		GIU	нта	GIII	ASII	320	
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	aag		-	~		_	-	_		_				_			1000
	Lys	TTE	Ala	var		var	GIU	Val	ser		цуѕ	116	GIII	ьец	335	GLU	
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	Met																1030
184	Mec	GIU	пеп	340	ASP	rne	TIE	TIIT	345	пец	261	116	пец	350	nsp	นอน	
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	Phe		-				-										
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VERIFICATION SUMMARY

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